



Friday, May 25, 2012

Attn: Mr. Mike Susca  
Leggette, Brashears & Graham  
6 Executive Drive  
Farmington CT 06030

Project ID: DELL  
Sample ID#s: BB76670 - BB76672, BB76681, BB76683

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 25, 2012

FOR: Attn: Mr. Mike Susca  
Leggette, Brashears & Graham  
6 Executive Drive  
Farmington CT 06030

### Sample Information

Matrix: SOIL  
Location Code: LBG-FARM  
Rush Request: Standard  
P.O.#:

### Custody Information

Collected by: DD  
Received by: LB  
Analyzed by: see "By" below

Date Time

04/24/12 13:47  
04/25/12 14:18

### Laboratory Data

SDG ID: GBB76661  
Phoenix ID: BB76670

Project ID: DELL

Client ID: 1A 10-11

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	81		%	05/10/12		JL	E160.3
Extraction of CT ETPH	Completed			05/18/12		SS/F	3545
Extraction for PCB	Completed			05/10/12		MB/K/E	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	4100	120	mg/Kg	05/22/12		JRB	CT ETPH/8015
Identification	**		mg/Kg	05/22/12		JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	05/22/12		JRB	50 - 150 %
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### PCB (Soxhlet)

PCB-1016	ND	410	ug/Kg	05/16/12		MH	3540C/8082
PCB-1221	ND	410	ug/Kg	05/16/12		MH	3540C/8082
PCB-1232	ND	410	ug/Kg	05/16/12		MH	3540C/8082
PCB-1242	ND	410	ug/Kg	05/16/12		MH	3540C/8082
PCB-1248	ND	410	ug/Kg	05/16/12		MH	3540C/8082
PCB-1254	610	410	ug/Kg	05/16/12		MH	3540C/8082
PCB-1260	ND	410	ug/Kg	05/16/12		MH	3540C/8082
PCB-1262	ND	410	ug/Kg	05/16/12		MH	3540C/8082
PCB-1268	ND	410	ug/Kg	05/16/12		MH	3540C/8082

### QA/QC Surrogates

% DCBP	115		%	05/16/12		MH	30 - 150 %
% TCMX	117		%	05/16/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

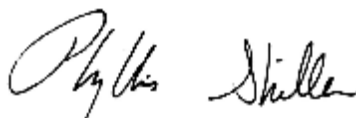
\*\*Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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**Phyllis Shiller, Laboratory Director**

**May 25, 2012**

**Reviewed and Released by: Maryam Taylor, Project Manager**



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## Analysis Report

May 25, 2012

FOR: Attn: Mr. Mike Susca  
Leggette, Brashears & Graham  
6 Executive Drive  
Farmington CT 06030

### Sample Information

Matrix: SOIL  
Location Code: LBG-FARM  
Rush Request: Standard  
P.O.#:

### Custody Information

Collected by: DD  
Received by: LB  
Analyzed by: see "By" below

Date

04/24/12

Time

13:48

04/25/12

14:18

### Laboratory Data

SDG ID: GBB76661

Phoenix ID: BB76671

Project ID: DELL

Client ID: 1A 11-12

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	83		%	05/10/12		JL	E160.3
Extraction of CT ETPH	Completed			05/18/12		SS/F	3545
Extraction for PCB	Completed			05/10/12		MB/K/E	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	6400	240	mg/Kg	05/22/12		JRB	CT ETPH/8015
Identification	**		mg/Kg	05/22/12		JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	05/22/12		JRB	50 - 150 %
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### PCB (Soxhlet)

PCB-1016	ND	390	ug/Kg	05/16/12		MH	3540C/8082
PCB-1221	ND	390	ug/Kg	05/16/12		MH	3540C/8082
PCB-1232	ND	390	ug/Kg	05/16/12		MH	3540C/8082
PCB-1242	ND	390	ug/Kg	05/16/12		MH	3540C/8082
PCB-1248	ND	390	ug/Kg	05/16/12		MH	3540C/8082
PCB-1254	970	390	ug/Kg	05/16/12		MH	3540C/8082
PCB-1260	ND	390	ug/Kg	05/16/12		MH	3540C/8082
PCB-1262	ND	390	ug/Kg	05/16/12		MH	3540C/8082
PCB-1268	ND	390	ug/Kg	05/16/12		MH	3540C/8082

### QA/QC Surrogates

% DCBP	109		%	05/16/12		MH	30 - 150 %
% TCMX	90		%	05/16/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

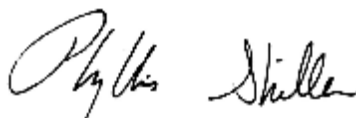
\*\*Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

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**May 25, 2012**

**Reviewed and Released by: Maryam Taylor, Project Manager**



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## Analysis Report

May 25, 2012

FOR: Attn: Mr. Mike Susca  
Leggette, Brashears & Graham  
6 Executive Drive  
Farmington CT 06030

### Sample Information

Matrix: SOIL  
Location Code: LBG-FARM  
Rush Request: Standard  
P.O.#:

### Custody Information

Collected by: DD  
Received by: LB  
Analyzed by: see "By" below

Date

04/24/12

Time

13:49

04/25/12

14:18

### Laboratory Data

SDG ID: GBB76661

Phoenix ID: BB76672

Project ID: DELL

Client ID: 1A 12-13

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	05/10/12		JL	E160.3
Extraction of CT ETPH	Completed			05/18/12		SS/F	3545
Extraction for PCB	Completed			05/10/12		MB/K/E	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	4300	220	mg/Kg	05/23/12		JRB	CT ETPH/8015
Identification	**		mg/Kg	05/23/12		JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	05/23/12		JRB	50 - 150 %
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### PCB (Soxhlet)

PCB-1016	ND	360	ug/Kg	05/16/12		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	05/16/12		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	05/16/12		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	05/16/12		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	05/16/12		MH	3540C/8082
PCB-1254	740	360	ug/Kg	05/16/12		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	05/16/12		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	05/16/12		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	05/16/12		MH	3540C/8082

### QA/QC Surrogates

% DCBP	92		%	05/16/12		MH	30 - 150 %
% TCMX	87		%	05/16/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

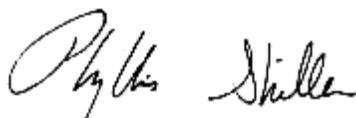
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**May 25, 2012**

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Farmington CT 06030

### Sample Information

Matrix: SOIL  
Location Code: LBG-FARM  
Rush Request: Standard  
P.O.#:

### Custody Information

Collected by: DD  
Received by: LB  
Analyzed by: see "By" below

Date

04/24/12

Time

14:29

04/25/12

14:18

### Laboratory Data

SDG ID: GBB76661

Phoenix ID: BB76681

Project ID: DELL

Client ID: 2A 7-8

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	04/25/12		JL	E160.3
Extraction of CT ETPH	Completed			05/18/12		SS/F	3545
Extraction for PCB	Completed			04/25/12		BQ/K	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	11	mg/Kg	05/21/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	05/21/12		JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	100		%	05/21/12		JRB	50 - 150 %
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### PCB (Soxhlet)

PCB-1016	ND	360	ug/Kg	04/26/12		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	04/26/12		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	04/26/12		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	04/26/12		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	04/26/12		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	04/26/12		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	04/26/12		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	04/26/12		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	04/26/12		MH	3540C/8082

### QA/QC Surrogates

% DCBP	88		%	04/26/12		MH	30 - 150 %
% TCMX	80		%	04/26/12		MH	30 - 150 %



Project ID: DELL  
Client ID: 2A 7-8

Phoenix I.D.: BB76681

Parameter	Result	RL	Units	Date	Time	By	Reference
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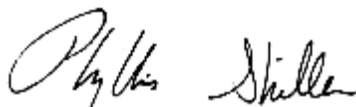
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**May 25, 2012**

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## Analysis Report

May 25, 2012

FOR: Attn: Mr. Mike Susca  
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6 Executive Drive  
Farmington CT 06030

### Sample Information

Matrix: SOIL  
Location Code: LBG-FARM  
Rush Request: Standard  
P.O.#:

### Custody Information

Collected by: DD  
Received by: LB  
Analyzed by: see "By" below

### Date

04/24/12  
04/25/12

### Time

14:31  
14:18

## Laboratory Data

SDG ID: GBB76661  
Phoenix ID: BB76683

Project ID: DELL  
Client ID: 2A 9-10

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	89		%	05/18/12		JL	E160.3
Extraction of CT ETPH	Completed			05/18/12		SS/F	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	11	mg/Kg	05/21/12		JRB	CT ETPH/8015
Identification	ND		mg/Kg	05/21/12		JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	67		%	05/21/12		JRB	50 - 150 %
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### Comments:

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ND=Not detected BDL=Below Detection Level RL=Reporting Level

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May 25, 2012

Reviewed and Released by: Maryam Taylor, Project Manager



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## QA/QC Report

May 25, 2012

### QA/QC Data

SDG I.D.: GBB76661

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 199206, QC Sample No: BB73435 (BB76661, BB76662, BB76665, BB76667)									
<u>Polychlorinated Biphenyls - Soil</u>									
PCB-1016	ND	88	85	3.5				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	101	94	7.2				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	86	79	73	7.9				30 - 150	30
% TCMX (Surrogate Rec)	81	62	58	6.7				30 - 150	30

Comment:

The batch MS and MSD recoveries could not be calculated due to the high presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 199208, QC Sample No: BB73453 (BB76675, BB76676, BB76679, BB76681, BB76684)

### Polychlorinated Biphenyls - Soil

PCB-1016	ND	90	95	5.4				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	100	100	0.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	91	90	90	0.0				30 - 150	30
% TCMX (Surrogate Rec)	97	79	79	0.0				30 - 150	30

Comment:

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 201003, QC Sample No: BB76681 (BB76670, BB76671, BB76672, BB76681)

### TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	75	96	24.6	111	94	16.6	50 - 150	30
% n-Pentacosane	63	70	85	19.4	96	81	16.9	50 - 150	30

QA/QC Batch 200363, QC Sample No: BB84020 (BB76664, BB76665, BB76678, BB76679)

### TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	65	79	19.4				50 - 150	30
% n-Pentacosane	103	96	109	12.7				50 - 150	30

Comment:

\*The MS/MSD could not be reported due to the presence of ETPH in the original sample. The LCS was within QA/QC criteria.

## QA/QC Data

SDG I.D.: GBB76661

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 200466, QC Sample No: BB84389 (BB76664, BB76670, BB76671, BB76672)									
<u>Polychlorinated Biphenyls - Soil</u>									
PCB-1016	ND	99	103	4.0	91	100	9.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	102	116	12.8	95	107	11.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	104	89	96	7.6	99	111	11.4	30 - 150	30
% TCMX (Surrogate Rec)	119	76	80	5.1	71	81	13.2	30 - 150	30
QA/QC Batch 201013, QC Sample No: BB87875 (BB76683)									
<u>TPH by GC (Extractable Products) - Soil</u>									
Ext. Petroleum HC	ND	67			76	107	33.9	50 - 150	30 r
% n-Pentacosane	84	79			90	128	34.9	50 - 150	30 r

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

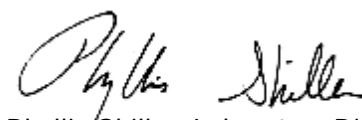
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director  
May 25, 2012

# Sample Criteria Exceedences Report

Requested Criteria: GAM, GBM, IV, RC

GBB76661

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB76664	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	720	11	500	500	mg/Kg
BB76664	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	720	11	500	500	mg/Kg
BB76665	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	690	11	500	500	mg/Kg
BB76665	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	690	11	500	500	mg/Kg
BB76670	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	4100	120	500	500	mg/Kg
BB76670	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GB PMC (mg/kg)	4100	120	2500	2500	mg/Kg
BB76670	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	4100	120	500	500	mg/Kg
BB76671	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	6400	240	500	500	mg/Kg
BB76671	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GB PMC (mg/kg)	6400	240	2500	2500	mg/Kg
BB76671	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	6400	240	500	500	mg/Kg
BB76672	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	4300	220	500	500	mg/Kg
BB76672	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GB PMC (mg/kg)	4300	220	2500	2500	mg/Kg
BB76672	LBG-FARM	\$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	4300	220	500	500	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** LBG-FARM

**Project Location:** DELL **Project Number:**

**Laboratory Sample ID(s):** BB76661, BB76662, BB76663, BB76664, BB76665, BB76666, BB76667, BB76668, BB76669, BB76670, BB76671, BB76672, BB76673, BB76674, BB76675, BB76676, BB76677, BB76678, BB76679, BB76680, BB76681, BB76682, BB76683, BB76684

**Sampling Date(s):** 4/24/2012

**RCP Methods Used:**

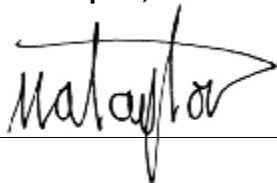
☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☒ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature: \_\_\_\_\_



Date: Friday, May 25, 2012  
Printed Name: Maryam Taylor  
Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



# RCP Certification Report

May 25, 2012

SDG I.D.: GBB76661

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## ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

### **Instrument:** Au-fid1 05/21/12-1 (BB76683)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 5/21/2012

### **Instrument:** Au-fid1 05/21/12-2 (BB76681)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 5/21/2012

### **Instrument:** Au-fid1 05/22/12-2 (BB76670, BB76671)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 5/22/2012

### **Instrument:** Au-fid1 05/23/12-1 (BB76672)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers:C36



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# RCP Certification Report

May 25, 2012

SDG ID.: GBB76661

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**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 5/23/2012

**Instrument:** Au-fid84 05/11/12-2 (BB76664, BB76665, BB76678, BB76679)

Initial Calibration (FID84 - ETPH\_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers:C36

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 5/11/2012

**QC Comments:** QC Batch 00363 05/09/12 (BB76664, BB76665, BB76678, BB76679)

\*The MS/MSD could not be reported due to the presence of ETPH in the original sample. The LCS was within QA/QC criteria.





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## RCP Certification Report

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SDG ID.: GBB76661

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### QC (Site Specific)

----- Sample No: BB76681, QA/QC Batch: 201003 -----

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 50 - 150 with the following exceptions: None.

All MSD recoveries were within 50 - 150 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### QC (Batch Specific)

----- Sample No: BB84020, QA/QC Batch: 200363 -----

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BB87875, QA/QC Batch: 201013 -----

All LCS recoveries were within 50 - 150 with the following exceptions: None.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd35 05/20/12-1 (BB76664, BB76670, BB76671, BB76672)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 5/20/2012

**Instrument:** Au-ecd35 05/21/12-1 (BB76664, BB76670, BB76671, BB76672)

8082 Narration:



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Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

May 25, 2012

SDG I.D.: GBB76661

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The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/21/2012

**Instrument:** Au-ecd5 05/08/12-1 (BB76667)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/8/2012

**Instrument:** Au-ecd5 05/09/12-1 (BB76667)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/9/2012

**Instrument:** Au-ecd5 05/16/12-1 (BB76664, BB76670)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/16/2012

**Instrument:** Au-ecd6 04/26/12-1 (BB76661, BB76662, BB76665, BB76675, BB76676, BB76679, BB76681, BB76684)



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## RCP Certification Report

May 25, 2012

SDG ID.: GBB76661

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8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 4/26/2012

**Instrument:** Au-ecd7 05/04/12-1 (BB76667)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/4/2012

**QC Comments:** QC Batch 99206 04/25/12 (BB76661, BB76662, BB76665, BB76667)

The batch MS and MSD recoveries could not be calculated due to the high presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC Comments:** QC Batch 99208 04/25/12 (BB76675, BB76676, BB76679, BB76681, BB76684)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.



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# RCP Certification Report

May 25, 2012

SDG I.D.: GBB76661

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## QC (Batch Specific)

----- Sample No: BB73435, QA/QC Batch: 199206 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BB73453, QA/QC Batch: 199208 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

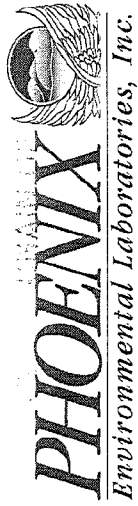
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BB84389, QA/QC Batch: 200466 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: info@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 6 Pg 1 of 4

## Data Delivery:

☐ Fax #:  
☐ Email:

Customer: Leggett, Brashears & Graham, Inc.

Address: 6 Executive Drive Suite 109

Farmington, CT 06032

Project: DELL

Report to: Mike Susca, LBG

Invoice to: Mike Susca, LBG

Project P.O.:

Phone #: (860) 678-0404

Fax #: (860) 678-0606

## Client Sample - Information - Identification

Sampler's Signature [Signature] Date: 4/24/12

Matrix Code:   
DW=drinking water   
GW=groundwater   
WW=wastewater   
SL=sludge   
S=soil/solid   
A=air   
O=oil   
X=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
760601	1A 0-0.25	S	4/24/2012	1304	X
760602	1A 0.25-0.5	S	4/24/2012	1305	X
760603	1A 1-2	S	4/24/2012	1306	X
760604	1A 4-5	S	4/24/2012	1308	X
760605	1A 5-6	S	4/24/2012	1327	X
760606	1A 6-7	S	4/24/2012	1328	X
760607	1A 7-8	S	4/24/2012	1330	X
760608	1A 8-9	S	4/24/2012	1332	X
760609	1A 9-10	S	4/24/2012	1334	X
760610	1A 10-11	S	4/24/2012	1347	X
760611	1A 11-12	S	4/24/2012	1348	X
760612	1A 12-13	S	4/24/2012	1349	X

Refinishing by: <u>[Signature]</u>	Accepted by: <u>[Signature]</u>	Date: <u>4/25/12</u>	Time: <u>1322</u>
Turnaround: <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other		CT/RI: <input type="checkbox"/> RCP Cert <input type="checkbox"/> GW Protect <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> SW Protection <input type="checkbox"/> Res. DEC <input type="checkbox"/> Ind. DEC <input type="checkbox"/> Res. Criteria <input type="checkbox"/> Other	MA: <input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other
Data Format: <input type="checkbox"/> Excel <input type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other		Data Package: <input type="checkbox"/> ASP-A <input type="checkbox"/> NJ Reduced Deliv. * <input type="checkbox"/> NJ Hazsite EDD <input type="checkbox"/> Phoenix Std Report <input type="checkbox"/> Other	

## Comments, Special Requirements or Regulations:

Please freeze all held samples. Held samples may be analyzed for PCBs pending initial results.

State where samples were collected: CT



**Bobbi - Phoenixlabs**

**From:** David D'Onofrio [ddonofrio@LBGCT.com]

**Sent:** Thursday, May 10, 2012 11:46 AM

**To:** 'bobbi@phoenixlabs.com'

**Cc:** Michael Susca

**Subject:** Request for additional analyses

Bobbi,

Please run additional analyses on the Dell samples as noted in the table below.

Phoenix Id	Sample ID	Sample Depth (ft bg)	PCBs	CTETPH
BB76664	1A	4-5	X	X
BB76665		5-6		X
BB76670		10-11	X	
BB76671		11-12	X	
BB76672		12-13	X	
BB76678	2A	4-5		X
BB76679		5-6		X
BB78037	2C	1-2	X	
BB78038		4-5	X	X
BB78039		5-6		X
BB78040		6-7	X	
BB78052	3C	4-5	X	
BB78054		6-7	X	
BB78056		8-9	X	
BB78058		10-11	X	
BB78060		12-13	X	
BB78065	4C	6-7	X	
BB78069	6C	1-2	X	
BB78070		4-5	X	
BB78072		6-7	X	
BB78079	7C	6-7	X	
BB78081	2D	4-5		X
BB78082		5-6		X
BB78083		6-7	X	X
BB78088	3D	4-5		X
BB78089		5-6		X
BB78090		6-7	X	
BB78103	4D	4-5	X	X
BB78104		5-6		X
BB78105		6-7	X	
BB78092	3E	4-5	X	X
BB78093		5-6		X
BB78094		6-7	X	
BB78096	4E	4-5	X	X
BB78097		5-6		X
BB78098		6-7	X	

Please feel free to contact me if you have any questions regarding this request.

5/10/2012

Thanks,  
Dave



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For more information please visit <http://www.symanteccloud.com>

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5/10/2012



**Bobbi - Phoenixlabs**

**From:** David D'Onofrio [ddonofrio@LBGCT.com]

**Sent:** Friday, May 18, 2012 2:36 PM

**To:** 'Bobbi - Phoenixlabs'

**Cc:** Michael Susca

**Subject:** RE: Request for additional analyses

Bobbi,

Please disregard my previous email and instead use the revised table below.

Phoenix Id	Sample ID	Sample Depth (ft bg)	PCBs	CTETPH
BB76670	1A	10-11		X
BB76671		11-12		X
BB76672		12-13		X
BB76681	2A	7-8		X
BB76683		9-10		X
BB78042	2C	8-9	X	X
BB78044		10-11	X	X
REQUESTED - RESULTS STILL PENDING				
BB78097	4E	5-6		X

Thanks,

Dave

**From:** Bobbi - Phoenixlabs [mailto:bobbi@phoenixlabs.com]

**Sent:** Friday, May 18, 2012 2:12 PM

**To:** David D'Onofrio

**Cc:** Michael Susca

**Subject:** RE: Request for additional analyses

**Sure thing, have a great weekend**

**Bobbi**

Bobbi Aloisa  
Vice President  
Director of Client Services  
Phoenix Environmental Laboratories  
587 East Middle Turnpike  
Manchester, CT 06040  
Ph: 860-645-8728

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5/18/2012